WHAT IS CLAIMED IS:

1. A swash-plate compressor for compressing a fluid, the compressor comprising:

a cylinder block having a cylinder bore;

a piston having a first end portion reciprocally movable in the cylinder bore and a second end portion opposite to the first end portion, the second end portion having a pair of engaging portions faced to each other with a space left therebetween and a side wall portion connecting the engaging portions to each other;

a swash plate having a part inserted between the engaging portions and driven to rotate; and

a pair of sliding members interposed between the engaging portions and the swash plate, respectively, each of the sliding members having a flat portion slidably contacted with the swash plate and a spherical portion opposite to the flat portion, each of the engaging portions having a contact surface slidably contacted with the spherical portion, each of the contact surfaces extending to the side wall portion.

2. The swash-plate compressor according to claim 1, wherein the contact surfaces are connected to each other through the side wall portion.

3. The swash-plate compressor according to claim 1, wherein the contact surfaces are continuously formed between the engaging portions through the side wall portion.

4. The swash-plate compressor according to claim 1, wherein the contact surface is formed along a spherical surface having a curvature equal to that of the spherical portion.

5. The wash-plate compressor according to claim 1, wherein a carbon dioxide refrigerant is used as the fluid.